Digeſtion. The greateſt part of what ſhe eat or drank, came through the Ulcer for eight or ten Days, ſo that I had no hopes of ever curing it, yet contrary to my Expectation in about ſix Weeks ſhe was perfectly cured, and is now living and in good Health.

VIII. *An Account of the quantity of Reſin in the* Cortex Eleutheriæ. *By Mr.* John Brown, *Chymiſt*, F. R. S.

DR. *Douglas* having lately deliver'd in a Paper to be read before this Society, giving an account (from the Hiſtory of the Royal Academy at *Paris*) of the *Cortex Eleutheriæ*; and among other things having ſaid of it, that Monſieur *Boulduc* had from one Ounce of the Bark, by means of Spirit of Wine, gotten 5 Drachms of Reſinous Extract, there remaining 3 Drachms of *Fæces*; and that Gentleman's account of ſome of the Properties of this Bark being founded on the quantity of Reſin ſuppos'd to be contain'd in it: I propos'd to Dr. *Douglas* and ſome other Gentlemen of the Society, (who agreed with me in believing, that ſcarcely any part of any Plant whatſoever would yield that quantity of Reſinous Extract) to try the Experiment, which was perform'd after the following manner.

I took two Ounces of pick'd Bark, and digeſted it in rectify'd Spirit of Wine, which was often decanted and freſh Spirit put on, until the Bark would yield no more Tincture. The impregnated Spirit being evaporated by a very gentle heat; there was left two Drachms of Reſinous Extract; the remains of

the Bark dry'd, weigh'd one Ounce, two Drachms and a half; the loſs this way is three Drachms and an half.

I boil'd theſe remains in ſeveral Waters, until they would no longer tinge the Water, which being evaporated yielded one Drachm and an half of extract; the remains of this dry'd weigh'd one Ounce and half a Drachm; the loſs by this Method is half a Drachm.

I took two Ounces more of pick'd Bark, and boil'd it in ſeveral Waters, 'till the Bark gave no more Colour; and then upon an Evaporation of the Water, had two Drachms of Extract. The remains being dry'd weigh'd one Ounce ſix Drachms; here the loſs was not any thing, except ſo much as might anſwer in weight to the quantity of the *Menſtruum* left in the Extract, which Allowance muſt likewiſe be made in the other Extracts.

I digeſted the remains in rectify'd Spirits of Wine, untill they no longer ting'd the Spirit, and by a very gentle Evaporation, I found remaining one Drachm of Reſinous extract. What was left, when dry'd, weigh'd one Ounce, two Drachms, and an half; in this the loſs was two Drachms and an half.

The Difference in the quantity of Extract obtain'd by theſe two different Methods, is but half a Drachm, and the Medium between them, upon putting together the ſeveral Extracts made with Spirit of Wine and Water, is in the whole but three Drachms and a quarter. But the Extract made with Spirit of Wine alone, is no more than two Drachms from two Ounces of the *Cortex*, inſtead of ten Drachms, which it ought to have yielded according to Monſieur *Boulduc*.

IX. *An*